

FACT SHEET

**DRAFT HWMA/RCRA PARTIAL-CLOSURE PLAN
FOR THE
TEST REACTOR AREA FLUORINEL DISSOLUTION PROCESS MOCKUP AND GAMMA FACILITIES
WASTE SYSTEM
LOCATED AT THE IDAHO NATIONAL LABORATORY
EPA ID NO. ID4890008952**

This fact sheet sets forth the principal facts pertaining to a draft closure plan that the Idaho Department of Environmental Quality (DEQ) is proposing to approve. The closure plan presents the applicable closure requirements the DEQ intends to require of the United States Department of Energy (DOE) associated with the Test Reactor Area (TRA) Fluorinel Dissolution Process Mockup and Gamma Facilities Waste System at the Idaho National Laboratory.

A. PURPOSE OF THE CLOSURE PLAN

Closure plans designate specific administrative and procedural requirements the owner/operator must meet in order to comply with Idaho's Hazardous Waste Management Act (HWMA) of 1983, as amended. DEQ reviewed, and now proposes to approve, the draft plan to close the TRA Fluorinel Dissolution Process Mockup and Gamma Facilities Waste System.

B. PROCEDURES FOR REACHING A FINAL DECISION

IDAPA 58.01.05.009 [40 CFR § 265.112(d)(4)] requires that the public be given thirty (30) calendar days to comment on the draft closure plan presented for approval under the HWMA. The comment period will begin March 21, 2007, and will end on April 19, 2007. Any person interested in commenting on this plan must do so within this thirty (30) calendar day comment period.

At the discretion of the Director of the DEQ, a public hearing may be provided if signed, written requests for a hearing are submitted personally, or sent to the address below, and received on or before April 19, 2007. All persons wishing to comment on the partial-closure plan's conditions should submit comments in writing to:

*Robert Bullock
c/o Jennifer Shafer
DEQ Waste Management & Remediation Division
1410 N. Hilton
Boise, ID 83706
Phone: (208) 373-0502*

Comments should include all reasonable available references, factual grounds, and supporting material.

When making the final determination regarding the approval of this partial-closure plan, DEQ will consider all written comments received during the public comment period; comments received during the public hearing (if held); the requirements of the hazardous waste regulations of IDAPA 58.01.05.000 et. seq. and all other applicable federal, state or local laws.

C. FACILITY/UNIT DESCRIPTION

The TRA Fluorinel Dissolution Process Mockup System is located within the TRA-641 Gamma Building at the Reactor Technology Complex, and was constructed to receive and temporarily store liquid wastes generated from experiments being conducted in support of work at the Idaho Nuclear Technology and Engineering Center (INTEC). The portion of the tank system to be closed consists of a 300-gallon catch tank, a 60-gallon receiver tank, associated containment structures, and ancillary equipment.

Piping associated with the Gamma Facilities Warm Waste System received and transferred wastewater from gamma radiation experiments in TRA-641 from 1955 to 1971. The component associated with the Gamma Facilities Warm Waste System subject to closure is line 4" WDA-630-A from where it was cut and capped in the early 1980's in the TRA-630 Catch Tank System pump vault to the point it was cut and capped under the MTR Service Building (TRA-635).

The TRA Fluorinel Dissolution Process Mockup and Gamma Facilities Waste System is part of the Voluntary Consent Order (VCO) Tank System TRA-009. The VCO is an agreement between DEQ and DOE to correct potential HWMA/RCRA compliance issues at the INL. Per the requirements of the VCO agreement, a hazardous waste determination was conducted and determined that the tank system stored hazardous waste for greater than ninety (90) days. Some of the wastes exhibited the toxicity characteristic for corrosivity, lead, cadmium, chromium, and mercury, as well as radiological contamination. Therefore, those portions of the tank system which managed hazardous wastes are subject to closure as interim status units under this plan.

D. CLOSURE ACTIVITIES

Closure activities include removing and managing the waste inventory, removing or decontaminating and managing system components. The closure also includes verification of piping and tank integrity, soil sampling for direct-buried piping that does not have integrity verification, and action levels for piping that will remain in place. All activities associated with this plan will be monitored and certified by an independent registered professional engineer. Closure activities shall be completed within 180 days of DEQ approval of the closure plan.

E. CLOSURE PLAN ORGANIZATION

The closure plan is divided into ten sections and one appendix as follows:

SECTION	TITLE
1	INTRODUCTION
2	FACILITY DESCRIPTION
3	CURRENT AND MAXIMUM HAZARDOUS WASTE INVENTORY AND CHARACTERISTICS
4	CLOSURE PERFORMANCE STANDARDS
5	CLOSURE SCHEDULE
6	CERTIFICATION OF CLOSURE
7	CLOSURE PLAN AMENDMENTS
8	COST AND LIABILITY REQUIREMENTS
9	REFERENCES
10	DRAWINGS

APPENDIX	TOPIC
A	HWMA/RCRA CLOSURE RISK ASSESSMENT METHODOLOGY FOR ENVIRONMENTAL MEDIA